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TITLE: Rotation sensor

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ABSTRACT:

CHG DATE=20001128 STATUS=O> A highly reliable rotation sensor is capable of correct detection of a rotation state even in case of eccentricity of a rotating shaft. The rotation sensor comprises: a rotor (4) rotating together with a rotating shaft; a first supporting member (5) for rotatably supporting the rotor (4); and a detecting member (6), secured to the first supporting member (5), for detecting a rotation state of the rotor (4), wherein the first supporting member (5) is supported movably with respect to a fixed external part such as a housing in both directions, that is, an X direction orthogonal to the direction of the rotating shaft of the rotor (4) and a Y direction which is orthogonal to the direction of the rotating shaft of the rotor (4) and orthogonal to the X direction.

The first supporting member may be linearly slidingly movable on a second supporting member, which is linearly slidingly movable on a fixed housing member.